

Date: Thu, 3 Mar 94 17:09:32 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #230  
To: Info-Hams

Info-Hams Digest                      Thu, 3 Mar 94                      Volume 94 : Issue 230

Today's Topics:

                                    10-10#  
                                    5 by 5...  
                                    ARRL Letter contents  
                                    BY hams imprisoned by PRC  
                                    For Sale: W9GR DSP (assembled)  
                                    Ham Radio and More - Stations and Info Number  
                                    Have a say about ARRL policy  
                                    Madison to Kalamazoo info...  
                                    Medium range point-to-point digital links

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Tue, 1 Mar 1994 16:34:11 GMT  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!gatech!asuvax!  
pitstop.mcd.mot.com!mcdphx!schbbs!waters.corp.mot.com.corp.mot.com!  
user@network.ucsd.edu  
Subject: 10-10#  
To: info-hams@ucsd.edu

In article <1994Feb28.165221.5814@yvax.byu.edu>, sandersm@yvax.byu.edu  
wrote:

> I am trying to get my 10 10-10 nbers. I would apprecite it if someone who  
> has a 10-10 number just give a UTC time and 10m Frequency and I'll be there.  
> 73's Thanks. Chad.....KB7ZIU

Would be glad too, but I don't remember mine! I got it around 20 years ago and haven't been active in 10-10 for around 15 years.

Anyone know how to find out my old number?

Mike AA4MW

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Phooey on it all - I'm going sailing for a year or two!!!

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Date: 1 Mar 1994 08:35:25 -0800  
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!news.umbc.edu!eff!news.kei.com!ssd.intel.com!chnews!ornews.intel.com!ornews.intel.com!not-for-mail@network.ucsd.edu  
Subject: 5 by 5...  
To: info-hams@ucsd.edu

In article <762531813snx@skyld.grendel.com> jangus@skyld.grendel.com (Jeffrey D. Angus) writes:

>In article <gregg.68.000DC24B@plains.nodak.edu> gregg@plains.nodak.edu writes:

> > Where did the phrase, "I read you five by five." come from and what does  
> > it mean. I know it means good copy, but what specifically does it mean?  
> > Does it come from the early days of radar, of ham radio, of military  
> > aviation or what?

> It comes from the RST signal reporting system.

I would question this. You will never hear an air traffic controller give a signal report greater than 5X5. In fact, I've never heard one give a report under 5X5 for that matter. It seems to me they have 3 signal reports commonly used:

"Taylorcraft 99999, You're 5 by 5. Squawk 4747, transission approved".

"Aircraft calling, you're garbled and unreadable. Remain clear of ARSA/TCA".

"Aircraft calling, you're scratchy and unreadable. Remain clear of ARSA/TCA".

The last two phrases are often used in response to aircraft handhelds. I've started using 5X5 myself after becoming disgusted with the abuse of 5X9. I used to always use 5X7 out of generosity but a more middle figure is probably better. 5X9 should require meter repair while 5X0 obviously means you only hear hiss. Actually, "Loud and Clear" has no more syllables than "Five by Five" and will probably be better understood by a wider audience.

A Tailorcraft suits me fine.

--

zardo@ornews.intel.com WA7LDV

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Date: 3 Mar 94 20:04:57 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: ARRL Letter contents  
To: info-hams@ucsd.edu

Is it just me or does it seem silly to have a "10 years ago in the ARRL Letter" area in a newsletter that's supposed to be filled with fast breaking or short fuse news..?

It just seems like it's off the subject somehow and probably feels out of place to me.....If Westlink did it, people would scream (dunno if W5YI would do this...).

bill wb9ivr

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Date: Wed, 2 Mar 1994 15:38:44 GMT  
From: ihnp4.ucsd.edu!swrinde!elroy.jpl.nasa.gov!ncar!csn!col.hp.com!  
news.dtc.hp.com!hpscit.sc.hp.com!cupnews0.cup.hp.com!jholly@network.ucsd.edu  
Subject: BY hams imprisoned by PRC  
To: info-hams@ucsd.edu

Celia Tony Becker (becker@shell.portal.com) wrote:

: I found this on the DX reflector, and post it here.

: >

: > MORE ON THE VOA STORY ABOUT "BY" OPS. Fred, K3ZO, who has just recently  
: > returned from Thailand where he operated as HS0ZAR, had doubts about the  
: > Voice of America (VOA) report that all BY hams have been rounded up and  
: > sent to labor camps. Fred stated he heard and worked plenty of BAs, BYs  
: > and BZs while in Thailand, so he decided to investigate the Voice of  
: > America broadcast and found the following information:

: >

: > Here is the exact VOA text, which was based on a news item that was on  
: > the REUTERS news wire on February 16th: "Police in China have cracked  
: > down on the country's largest group of amateur radio operators, and  
: > have sent three of the group's leaders to labor camps.

: >

: > The "Official China Business Times Today" (Wed. Feb. 16th) Identified

: > the group as "Radio-Air-Salon", based in Henan Province (BY6). It said  
 : > police have caught 61 members of the group -- which had effectively  
 : > taken over some 27 radio channels.  
 : >  
 : > The report said Radio-Air-Salon members often interrupted regular  
 : > broadcasts with their own conversations and illegally listened in on  
 : > restricted frequencies. It said the use of technical equipment to  
 : > create chaos in the airwaves is a new type of illegal activity.....  
 : >  
 : > Fred comments he has tried to work as many different Chinese stations  
 : > as possible while he was in Thailand, but he never heard BY6. The ARRL  
 : > reports that their information shows only one licensed amateur radio  
 : > station in PRC, club station BY6SRA, licensed to the Shanxi Branch of  
 : > the China Radio Sports Association (CRSA). CRSA is the IARU member  
 : > society for China. Fred points out that the VOA broadcast only mentions  
 : > that three members of one club were sent to "re-education camps", this  
 : > is a far cry from "ALL BY's". This is a prime example of how RUMORS can  
 : > spread like wildfires and blow things out of proportion Also, the press  
 : > has often referred to all manners of radio hobbyists as "AMATEUR RADIO  
 : > OPERATORS." The group of hobbyists mentioned in the broadcast may be  
 : > engaging in SWL and CB type activities rather than actual amateur  
 : > operations. Fred states such activities are widespread in Asia and has  
 : > experienced pirate "CB" operations on the 40 meter band while operating  
 : > from HS-land. So in summary, amateur radio is alive and well in PRC.  
 : > Reports of activity this week by BY1QH on both 40 and 80 meters is  
 : > proof. Also, Martti, OH2BH, was in Beijing recently and visited the  
 : > operators and station of BY1PK. Martti stated things were just fine  
 : > and no one is rounded up in the labor camps. As matter of fact, foreign  
 : > operators may be licensed in PRC soon. (TNX to K3ZO, N8II and OH2BH)  
 : > -----  
 : > Tedd Mirgliotta KB8NW  
 : > InterNet: kb8nw@barf80.nshore.org  
 : > Basic Amateur Radio Frequency BBS (BARF-80) +1 216/237-8208  
 : > "Totally devoted to Amateur Radio" - 24 Hrs a day 8/N/1 14.4k-300 baud  
 : >

A recent post, unfornately copied to /dev/null, on the contest reflector  
 from OH2BH says not so. There were some 'operators' rounded up, by from  
 Martti's description, they sound more like freebanders. He was at local  
 stations and there were plenty of real hams around.

Jim, WA6SDM

-----  
 Date: 1 Mar 1994 19:45:00 GMT

From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!cs.utexas.edu!swrinde!sgiblab!  
 sgigate.sgi.com!gazette.esd.sgi.com!mechcad3.esd.sgi.com!glusk@network.ucsd.edu  
 Subject: For Sale: W9GR DSP (assembled)

To: info-hams@ucsd.edu

For Sale: W9GR DSP kit with multi-program chip

fully assembled and tested  
installed in metal enclosure  
includes 12V DC wall transformer

Asking \$75 shipped anywhere in US

--

Mark Glusker, glusk@esd.sgi.com

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Date: Thu, 3 Mar 1994 16:39:57 GMT  
From: news.acns.nwu.edu!math.ohio-state.edu!howland.reston.ans.net!gatech!udel!  
news.sprintlink.net!direct!jmoore@network.ucsd.edu  
Subject: Ham Radio and More - Stations and Info Number  
To: info-hams@ucsd.edu

Ham Radio and More is a weekly radio show devoted to amateur radio and related topics such as scanners. It is aired live from 1800EST to 1900EST every Sunday. The show is available to any station which agrees to carry the national ads. If you are interested in hearing the show and a local station is not on the list below, we suggest you call your station and give them the information phone number for Ham Radio and More: 602-241-1510 (KFNN, Phoenix). The show is also available on satellite on Spacenet 3, Transponder 9, 6.8MHz Audio. However, in order to keep the sponsors happy, and america's only national amateur radio talk show on the air, we need affiliate AM stations to carry the show.

The current list of stations is:

1510AM	WSSH	Boston, MA (50KW)
1510AM	KFNN	Phoenix, AZ
1340AM	WBMS	Wilmington, NC
1490AM	WAJF	Decatur, AL
860 AM	WHRT	Hartselle, AL
870 AM	WVMI	Biloxi, MS
101.7FM	KTOT	Big Bear, CA
94.3FM	KSEY	Seymour, TX
1230AM	KSEY	Seymour, TX
1460AM	WIFI	Philadelphia/Trenton (1830-1900EST Only)

1300AM WPDJ Ft. Wayne, IN  
930 AM WKY Oklahoma City, OK (starting 2/28)  
1330AM WKTA Chicago, IL (starting 3/20)

For information, you can call 602-241-1510

[FLAME PROOFING]

Although I am the co-host of this show, I personally have no financial interest in it and make no money off of it.

John Moore NJ7E  
Phoenix, AZ

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Date: Mon, 28 Feb 1994 23:10:44 GMT  
From: ihnp4.ucsd.edu!swrinde!sgiblab!wetware!spunky.RedBrick.COM!psinntp!psinntp!arrrl.org!ehare@network.ucsd.edu  
Subject: Have a say about ARRL policy  
To: info-hams@ucsd.edu

Subject: ARRL HQ email list  
Summary: How to contact ARRL HQ (repost with fixed news feed)  
Organization: American Radio Relay League

The following ARRL HQ staffers AND ONLY THESE STAFFERS can be contacted directly via the net at the addresses shown. I've also included a brief mention, where appropriate, of some of the specific duties of the staff member so that you'll know who to contact.

Staff member, call, title	address
-----	-----
Al Brogdon, K3KMO, QST Managing Editor	abrogdon@arrrl.org
Brian Battles, WS10, Features Editor (Strays, New Products, Feature articles)	bbattles@arrrl.org
Jon Bloom, KE3Z, Senior Engineer (arrrl.org postmaster, QEX editor)	jbloom@arrrl.org
Bob Boucher, Purchasing Manager	rboucher@arrrl.org
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Lisa Delude, Administrative Assistant to the Executive Vice President	ldelude@arrl.org
Bridget DiCosimo, Technical Department Secretary (article reprints; orbit calendars; PCB templates etc.)	bdicosim@arrl.org
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Mike Gruber, WA1SVF, Laboratory Engineer (product testing)	mgruber@arrl.org
Ed Hare, KA1CV, Laboratory Supervisor (RFI; product testing)	ehare@arrl.org
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Luck Hurder, KY1T, Field Services Dept. Deputy Manager (Clubs; Field Organization; ARRL telephone BBS)	lhurder@arrl.org
Chuck Hutchinson, K8CH, Membership Services Manager (Contests; awards; DXCC etc.)	chutch@arrl.org
Bob Inderbitzen, NQ1R, Assistant to the Manager, Educational Activities	rinderbi@arrl.org
Bart Jahnke, KB9NM, Volunteer Examiner Department Manager (Exams, VE coordination, etc.)	bjahnke@arrl.org

Debra Jahnke, Circulation Manager	djahnke@arrl.org
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Kirk Kleinschmidt, NT0Z, QST Assistant Managing Editor	kkleinsc@arrl.org
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Rick Palm, K1CE, Field Services Manager (Field Organization matters)	rpalm@arrl.org
Deane Potter, Information Services Manager	dpotter@arrl.org
Bob Schetgen, KU7G, Assistant Technical	rschetge@arrl.org



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Kevin Sheheen, Information Services	ksheheen@arrl.org
Barry Shelley, Chief Financial Officer	bshelley@arrl.org
Dean Straw, N6BV, Senior Assistant Technical Editor	rdstraw@arrl.org
Dave Sumner, K1ZZ, Executive Vice President (policy matters, HQ administration)	dsumner@arrl.org
Glenn Swanson, KB1GW, Assistant to the Manager, ARRL VEC	gswanson@arrl.org
Brad Thomas, KC1EX, Advertising Manager	bthomas@arrl.org
Michael Tracy, KC1SX, Technical Information Services Coordinator	mtracy@arrl.org
Lori (Maty) Weinberg, Assistant to the Publications Manager (QEX editorial assistant)	lweinber@arrl.org
Rosalie White, WA1STO, Educational Activities Department Manager (info on becoming a ham/training/SAREX)	rwhite@arrl.org
Perry Williams, W1UED, Washington Area Coordinator (National Legislation and Regulatory Affairs)	2242662@mcimail.com
Mark Wilson, AA2Z, QST Editor	mwilson@arrl.org
Larry Wolfgang, WR1B, Senior Assistant Technical Editor (Beginner's books, license manuals)	lwolfgan@arrl.org
Tammy-Beth Zimmerman, KA1WWP, Membership Services Administrative Assistant (DXCC, awards, QSL buro)	tzimmer@arrl.org

In addition to these specific people, we've also set up the following accounts:

Automated Information Service (information files on Amateur Radio)	info@arrl.org
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Education Activities Department	ead@arrl.org
Technical Information Service (Technical questions)	tis@arrl.org
DXCC Desk	dxcc@arrl.org
Awards (WAS, etc.)	awards@arrl.org
Contests	contests@arrl.org
Outgoing QSL Bureau	buro@arrl.org
QEX Magazine	qex@arrl.org
W1AW	76067.3724@compuserve.com

Other questions and messages to other specific HQ staff members should continue to be addressed to "2155052@mcimail.com" which will result in their receipt in the "front office" here at ARRL HQ. You should include your postal address (the slow kind) in case we need to send you nonelectronic material in answer to your request.

Other useful addresses:

Tom Frenaye, K1KI, Vice President	2349723@mcimail.com
Frank Butler, W4RH, Southeastern Division Director	3113659@mcimail.com
Stan Horzepa, WA1LOU, QST (Packet Perspective) columnist	horzepa@evax.gdc.com

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Jon Bloom, KE3Z           | jbloom@arrl.org
American Radio Relay League | Justice is being allowed to do whatever
225 Main St.             | I like. Injustice is whatever prevents
Newington, CT 06111      | my doing so. -- Samuel Johnson

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Ed Hare, KA1CV           | ehare@arrl.org
American Radio Relay League

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Date: 2 Mar 1994 19:22:57 -0500

From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!news.umbc.edu!eff!  
news.kei.com!ddsw1!panix!panix.com!dc@network.ucsd.edu  
Subject: Madison to Kalamazoo info...  
To: info-hams@ucsd.edu

In article <2l33hc\$517@spool.cs.wisc.edu> jason@yar.cs.wisc.edu (Jason Hanson)  
writes:

I plan on travelling from Madison Wisconsin to Kalamazoo Michigan in a couple  
of weeks. My route is going to be I-90 to Chicago (via Rockford), and then  
I-94 to Kalamazoo (via Gary). Any speedtraps, 2m repeater, etc. that you can  
alert me to would be appreciated...

Univ. of Wisconsin | Madison, WI 53706-1294 | Ham: N9LEA (Extra)  
-- jason@yar.cs.wisc.edu =\*++\*= n9lea@n0ary.#nocal.ca.usa.na --

I'm going the oposite way; Tucson, AZ to Madison, WI.  
East to TX then turn left if it's cold.  
North to MT then turn right if it has thawed.

My experience is that in winter speed enforcement is a secondary  
concern. As a general rule, the urban-rural 55-65 slowdown zones  
and near state lines (after entering a state) are where troopers  
are concentrated.

--

David Crawford dc@panix.com crawford@Arizona.EDU

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Date: Wed, 2 Mar 1994 15:44:42 GMT  
From: ihnp4.ucsd.edu!ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!  
europa.eng.gtefsd.com!news.umbc.edu!eff!news.kei.com!ub!csn!col.hp.com!srngenprp!  
glenne@network.ucsd.edu  
Subject: Medium range point-to-point digital links  
To: info-hams@ucsd.edu

Gary Coffman (gary@ke4zv.atl.ga.us) wrote:

> In reading the articles on 10 GHz operating in the current  
> QST, one wouldn't get the impression of \*reliable\* links  
> with 50 db fade margins that work reliably 7x24 year after  
> year. \*That's\* the kind of links a digital network must  
> have.

> If you can show how to setup and \*maintain\* 7x24 megabaud+ links to all  
> areas of the US, I'm all for it. I don't see a chance in hell of that  
> happening so I'm trying to bring this discussion around to things that

> are within the realm of the \*possible\*. 56 kb beyond LOS links look  
> possible to me, many thousands of 10 GHz megabaud+ LOS sites do not.

> It's not microwave \*technology\* that's the problem, it's the \*sites\*  
> and the people to maintain them that are the problem. Amateurs don't  
> have enough of either to establish a \*national\* microwave network, and  
> little or no hope of getting them. (Local or regional megabaud+ links  
> may be possible in certain areas, and I encourage that, but it just  
> isn't going to happen nationwide unless we suddenly get 20 million new  
> hams with optimum geographic dispersion.)

> We're dealing with a very sparse matrix here. You don't seem to understand  
> that as you sit in a dense metroplex with hams on nearly every block. The  
> rest of the country just isn't like that. \*Most\* of our links are 60-80 miles  
> long, over unfavorable terrain, to sites we can \*get\*. Nearly \*none\* of them  
> are LOS. We \*depend\* on the beyond LOS propagation available most easily at  
> lower frequencies to maintain those links. (If we could muster the power to  
> do microwave forward scatter, that would be different, but there just aren't  
> enough surplus TWTs out there to do the job, and site managers frown on 32 ft  
> dishes on their towers. We \*can't\* depend on inversions and ducts, they just  
> aren't reliable enough.)

At least you and I agree on the need for engineered, reliable links and that construction of a network will take a great deal of cooperation. I've emphasized that one of the few strengths amateur networking \*may\* have is "ins" and access to local sites. All these are points I've tried to make in some of my CNC contributions.

And in case you think I'm in a densely populated, ideal terrain out here, think again. Mountains only work for you when you can get access and have helpers to maintain them (as you suggest). I end up spending a lot of my time with a 3 arc-second elevation database trying to figure out how to make a well connected network out of sparse users and large obstacles. My few links are (too) long just as you say yours are there.

My argument with your 56kbps approach is that it simply doesn't come close to being enough capacity. It isn't nearly adequate for the needs of a competitive nationwide amateur network. And, in addition, depending on non-LOS propagation while maintaining reliability is an even less optimum use of resources.

How do you intend to support even a fraction of the "20% of hams who call packet their primary mode" with even \*mediocre\* performance (never mind something competitive with telephone line modems which would stimulate and support growth), 50 dB fade margins etc?

You've presented some equations relative to non-quality paths, troposcatter etc, could you show us how a system like that can provide the required

total information capacity and approximately what it might cost?

Could you present an estimation for us all of what the approximate vhf hardware and resulting per-user capacity of a reliable nationwide network of 3000 56 kbps full duplex nodes (your numbers) using beyond LOS propagation might be? Please show not only margins and hardware for an individual link but also an estimate of the spacial and frequency reuse problem/potential.

My estimates and opinion of the above indicate that it falls orders of magnitude short of providing service adequate to support itself in an amateur environment. I truly hope you can show me my error(s) and that a beyond-LOS vhf network is viable.

Glenn Elmore n6gn

ax.25 n6gn@wx3k.#nocal.ca.usa.na  
amateur IP: glenn@SantaRosa.ampr.org  
Internet: glenne@sr.hp.com

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Date: Tue, 1 Mar 1994 17:18:33 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!asuvax!pitstop.mcd.mot.com!mcdphx!schbbs!  
waters.corp.mot.com.corp.mot.com!user@network.ucsd.edu  
To: info-hams@ucsd.edu

References <CLtKxy.9q1@news.Hawaii.Edu>,  
<rcrw90-280294094834@waters.corp.mot.com.corp.mot.com>,  
<CLystu.72n@news.Hawaii.Edu>  
Subject : Re: RAMSEY FX TRANSCEIVER

In article <CLystu.72n@news.Hawaii.Edu>, jherman@uhunix3.uhcc.Hawaii.Edu  
(Jeff Herman) wrote:

> The OTs used to be able to carry on a QSO and a verbal conversation  
> simultaneously!

I could do that once too, but not at 30 wpm :-)

I said:

> >Strange that the SITOR and FAX stuff seems to be busy passing traffic all  
> >the time even if you can only hear one side of it.  
>  
> Dunno. Those are new modes to me...

New to me too - thats why I am spending time on them :-)

> I'll deny I ever said this but I will grant you that other modes will  
> eventually take over CW (oh my God - I don't believe I admitted that)

I share your regret, CW is still a \*lot\* of fun. However the reality is that the world is going the other way...

BTW did you see the article about spark/arc transmitters in this month's QST? Not \*that\* would be fun to play with!

> - what will it take? As long as the shore stations keep monitoring the  
> CW frequencies some ships will keep using that mode. So the decision rests  
> entirely in the lap of the shore stations.

Not quite, I suspect it is essentially economics. Like the Japanese proposal for totally unmanned ships programmed to go from sea bouy to sea bouy! I hope I never see that, but if it saves a buck ...

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Phooey on it all - I'm going sailing for a year or two!!!

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Date: Wed, 2 Mar 1994 23:27:35 GMT

From: ihnp4.ucsd.edu!mvpb.saic.com!news.cerf.net!usc!howland.reston.ans.net!  
europa.eng.gtefsd.com!library.ucla.edu!news.ucdavis.edu!chip.ucdavis.edu!  
ez006683@network.ucsd.edu

To: info-hams@ucsd.edu

References <ah301-010394145634@sy\_j.pgh.wec.com> ,

<1994Mar2.070107.25919@ke4zv.atl.ga.us> , <1994Mar2.144907.26098@bongo.tele.com>d

Subject : Re: JARGON

Julian Macassey (julian@bongo.tele.com) wrote:

: Whereas real mortals will say: "Blew a fuse this morning". A  
: true ham will spin it out with a description of what equipment was  
: drawing current at the time, who was effected, the duration of the  
: outage and the total milage driven to buy a new fuse. A skilled ham  
: communicator can spin a simple event out so that the description of it  
: takes three times longer than the duration of the actual event.

Nah,

A real Ham(tm) would have ten of the required fuses on hand but would still manage to use teh wrong value the first three times. He (or she) would then explain when and where they bought the fuse ten years ago.

The worst part is that many other Real Hams(tm) will actually be interested and probably pump the first ham for more information. :-)

cheers,

Dan

--

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*-----*
* Daniel D. Todd      Packet: KC6UUD@KE6LW.#nocal.ca.usa      *
*                    Internet: ddtodd@ucdavis.edu              *
*                    Snail Mail: 1750 Hanover #102              *
*                    Davis CA 95616                            *
*-----*
* All opinions expressed herein are completely fictitious any  *
* resemblance to actual opinions of persons living or dead is  *
* completely coincidental.                                     *
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End of Info-Hams Digest V94 #230

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